

# MIAMI BEACH

OFFICE OF THE CITY MANAGER

NO. LTC # 153-2016

LETTER TO COMMISSION

TO: Mayor Philip Levine and Members of the City Commission

FROM: Jimmy L. Morales, City Manager

DATE: April 8, 2016

SUBJECT: **KIMLEY-HORN AND ASSOCIATES, INC. CONSULTANT SERVICE ORDER #2 – SURVEY AND MAPPING FOR THE MIAMI BEACH LIGHT RAIL/MODERN STREETCAR PROJECT**

The purpose of this LTC is to provide the Commission with the Kimley-Horn and Associates, Inc., (referred to as "the KH Team") Consultant Service Order #2 (CSO #2) for survey and mapping services for the Miami Beach Light Rail/Modern Streetcar project.

## BACKGROUND

On December 16, 2015, the Mayor and Commission adopted Resolution No. 2015-29247, accepting receipt of an unsolicited proposal from Greater Miami Tramlink Partners for a Light Rail/Modern Streetcar Project in Miami Beach, and authorizing the Administration to solicit alternative proposals for a public/private partnership ("P3") for an off-wire or "wireless" light rail/modern streetcar system from 5th Street, via Washington Avenue to the Miami Beach Convention Center (the "Project").

In a similar timeframe, at the December 9, 2015 Commission meeting, the Mayor and City Commission approved the Resolution authorizing the Mayor And City Clerk to execute an agreement between the City of Miami Beach and Kimley-Horn and Associates, Inc., for the preparation of Environmental Analysis for Miami Beach transit projects including the Beach Corridor Transit Connection Project and related services. The services to be provided support the City staff in all aspects of advancing and implementing the preparation of environmental analysis for the Miami Beach Light Rail/Modern Streetcar project, including assisting the City with procurement activities and evaluation of proposals.

In order to quickly expedite the project, the City issued CSO#1 for "Pre-Planning Activities". CSO #1 was issued on December 17, 2015 to initiate the Environmental Review and assist the City in Preliminary Finance and P3 Procurement Activities, providing support needed for issuance of the solicitation and technical support of the City's position in presentations to the County and MPO staff and officials.

CSO #3 was issued on March 21, 2016 in a Not to Exceed amount of \$4,452,813 for environmental analysis; environmental compliance and documentation; development of the public involvement plan; and development of the project funding plan. The approach assumes that the State will issue "A Finding of No Significant Impact" based on an Environmental Assessment. If a more detailed Environmental Impact Review is required, the additional work will be addressed by a separate CSO.

**KIMLEY-HORN AND ASSOCIATES, INC. CONSULTANT SERVICE ORDER #2 –  
SURVEY AND MAPPING FOR THE MIAMI BEACH LIGHT RAIL/MODERN STREETCAR  
PROJECT**

April 8, 2016

Page 2

CSO #4 was issued on April 4, 2016 in a Not to Exceed Amount of \$984,890 for procurement support through evaluation of proposals and support for negotiation of the Interim Agreement.

**CSO #2: Survey and Mapping**

CSO #2 focuses on survey. The scope includes five (5) base corridor roadways for which new survey is necessary with a Not to Exceed Base Corridor budget of \$337,764. Three (3) optional roadway corridors are included and separately priced in case individual roadways are deemed necessary by the environmental analysis and added later for survey. The optional roadways would require authorization by the City prior to KH team performing any additional survey work..

As outlined in LTC # 123-2016, CSO #2 has been significantly reduced from the initial estimate provided in LTC # 090-2016 issued on March 3, 2016 to reflect the minimum survey effort required for the preparation of the environmental review documents.

The breakdown of fees is as follows:

Task Number	Task Name	Direct Labor (Person-Hours)									Total
		Project Manager	Senior Project Engineer	Project Engineer	Senior PSM Surveyor	Support Analyst I	Support Analyst II	3-Man Surveying Crew	Utility Locating Crew	Secretary / Clerical	
	Rates	\$330	\$200	\$180	\$165	\$100	\$85	\$180	\$155	\$60	
<b>Task 1 Survey and Mapping</b>											
1.1	Survey and Mapping	12	10	60	290	631	253	1203	645	26	3130
All Tasks	Total Hours	12	10	60	290	631	253	1203	645	26	3130

Total Base Corridor Labor (Tasks 1.1, 1.2, 1.4, 1.5, 1.6) \$304,080

Misc. Expenses (4.5% of Labor) \$13,684

Off-Duty Police Officers \$20,000

Optional Corridors (fees below incl. 4.5% misc. expenses)

1.3 Alton Rd: 5th St to 17th St \$109,803

1.8 Dade Blvd: Meridian Ave to 23rd St \$45,463

1.9 23rd St: Dade Blvd to Collins Ave \$15,288

**KIMLEY-HORN AND ASSOCIATES, INC. CONSULTANT SERVICE ORDER #2 –  
SURVEY AND MAPPING FOR THE MIAMI BEACH LIGHT RAIL/MODERN STREETCAR  
PROJECT**

April 8, 2016

Page 3

The breakdown of tasks among project team members is as follows:

<b>Firm</b>	<b>Fee for Survey and Mapping</b>
Kimley-Horn	\$ 25,874
Craig A. Smith	\$311,890
<b>Total</b>	<b>\$337,764</b>

Additional detail is provided in the attached CSO #2.

Future CSO: Implementation of the Public Involvement Plan

Once the Development of a Public Involvement Plan is completed under Task 3 of CSO #3, a separate CSO will be issued for implementation of the Public Involvement Plan.

  
JLM/MT/KOB/JRG

Attachments

## Master Summary

### Program Work Plan - Person-Hour Estimate

CSO: #2

Project Name: Miami Beach LRT/Modern Streetcar

Task Name: Survey and Mapping

Date Prepared: 6-Apr-16

Task Number	Task Name	Direct Labor (Person-Hours)									Total
		Project Manager	Senior Project Engineer	Project Engineer	Senior PSM Surveyor	Support Analyst I	Support Analyst II	3-Man Surveying Crew	Utility Locating Crew	Secretary / Clerical	
		Rates	\$330	\$200	\$180	\$165	\$100	\$85	\$180	\$155	\$60
Task 1 Survey and Mapping											
1.1 Survey and Mapping		12	10	60	290	631	253	1203	645	26	3130
Total Hours		12	10	60	290	631	253	1203	645	26	3130

Total Base Corridor Labor (Tasks 1.1, 1.2, 1.4, 1.5, 1.6) \$304,080  
 Misc. Expenses (4.5% of Labor) \$13,684  
 Off-Duty Police Officers \$20,000

#### Optional Corridors (fees below incl. 4.5% misc. expenses)

1.3 Alton Rd: 5th St to 17th St	\$109,803
1.8 Dade Blvd: Meridian Ave to 23rd St	\$45,463
1.9 23rd St: Dade Blvd to Collins Ave	\$15,288

**Kimley-Horn**

**Program Work Plan - Person-Hour Estimate**

CSO: #2  
Project Name: Miami Beach LRT/Modern Streetcar  
Task Name: Survey and Mapping  
Date Prepared: 6-Apr-16

Task Number	Task Name	Direct Labor (Person-Hours)				Total
		Project Manager	Senior Project Engineer	Project Engineer	Support Analyst I	
		Rates	\$330	\$200	\$180	\$100
Task 1 Survey and Mapping						
1.1 Survey and Mapping						
		12	10	60	80	162
		\$3,960	\$2,000	\$10,800	\$8,000	\$24,760
Task 1 Total						
	Hours	12	10	60	80	162
	Fee	\$3,960	\$2,000	\$10,800	\$8,000	\$24,760

Total Labor \$24,760.00  
Misc. Expenses (4.5% of Labor) \$1,114.00

# Craig A Smith

## Program Work Plan - Person-Hour Estimate

CSO: #2  
Project Name: Miami Beach LRT/Modern Streetcar  
Task Name: Survey and Mapping  
Date Prepared: 6-Apr-16

Task Number	Task Name	Direct Labor (Person-Hours)						Total
		Senior PSM Surveyor	Support Analyst I	Support Analyst II	3-Man Surveying Crew	Utility Locating Crew	Secretary/Clerical	
	Rates	\$165	\$100	\$85	\$180	\$155	\$60	
<b>1.1 Survey and Mapping</b>								
<b>1.1 5th Street: Alton Rd to Washington Ave</b>								
	<b>Survey</b>				5.5 days/2 crews	4 days/2 crews		
	Map of Specific Purpose Survey - Control & Route	12	20	0	60	0	0	92
	Map of Specific Purpose Survey - Drainage & Utilities	7	24	0	48	0	0	79
	<b>Sub-Surface Utility Engineering</b>							
	Records Research	0	0	21	0	0	1	22
	2 Dimensional Utility Locating	0	0	0	0	64	0	64
	QA/QC Plans	3	2	0	0	2	0	7
		22	46	21	108	66	1	264
		\$3,630	\$4,600	\$1,785	\$19,440	\$10,230	\$60	\$39,745
<b>1.2 Washington Ave: 5th St to Dade Blvd</b>								
	<b>Survey</b>				21.5 days/2 crews	11 days/2 crews		
	Map of Specific Purpose Survey - Control & Route	50	80	0	240	0	0	370
	Map of Specific Purpose Survey - Drainage & Utilities	30	96	0	190	0	0	316
	<b>Sub-Surface Utility Engineering</b>							
	Records Research	0	0	84	0	0	10	94
	2 Dimensional Utility Locating	0	0	0	0	176	0	176
	QA/QC Plans	15	6	0	0	6	0	27
		95	182	84	430	182	10	983
		\$15,675	\$18,200	\$7,140	\$77,400	\$28,210	\$600	\$147,225
<b>1.3 Alton Rd: 5th St to 17th St</b>								
	<b>Optional Roadway Corridor</b>							
	<b>Survey</b>				13.5 days/2 crews	10 days/2 crews		
	Map of Specific Purpose Survey - Control & Route	36	60	0	150	0	0	246
	Map of Specific Purpose Survey - Drainage & Utilities	20	80	0	118	0	0	218
	<b>Sub-Surface Utility Engineering</b>							
	Records Research	0	0	62	0	0	10	72
	2 Dimensional Utility Locating	0	0	0	0	160	0	160
	QA/QC Plans	10	5	0	0	5	0	20
		66	145	62	268	165	10	716
		\$10,890	\$14,500	\$5,270	\$48,240	\$25,575	\$600	\$105,075
<b>1.4 Alton Rd: South Pointe Drive to 5th Street</b>								
	<b>Survey</b>				5.5 days/2 crews	4 days/2 crews		
	Map of Specific Purpose Survey - Control & Route	16	24	0	60	0	0	100
	Map of Specific Purpose Survey - Drainage & Utilities	10	24	0	47	0	0	81
	<b>Sub-Surface Utility Engineering</b>							
	Records Research	0	0	25	0	0	1	26
	2 Dimensional Utility Locating	0	0	0	0	64	0	64
	QA/QC Plans	4	2	0	0	2	0	8
		30	50	25	107	66	1	279
		\$4,950	\$5,000	\$2,125	\$19,260	\$10,230	\$60	\$41,625
<b>1.5 South Pointe Dr: Alton Rd to Washington Ave</b>								
	<b>Survey</b>				1 day/2 crews	1 day/2 crews		
	Map of Specific Purpose Survey - Control & Route	3	4	0	12	0	0	19
	Map of Specific Purpose Survey - Drainage & Utilities	2	6	0	10	0	0	18
	<b>Sub-Surface Utility Engineering</b>							
	Records Research	0	0	5	0	0	1	6
	2 Dimensional Utility Locating	0	0	0	0	16	0	16
	QA/QC Plans	1	1	0	0	1	0	3
		6	11	5	22	17	1	62
		\$990	\$1,100	\$425	\$3,960	\$2,635	\$60	\$9,170
<b>1.6 Washington Ave: South Pointe Dr to 5th St</b>								
	<b>Survey</b>				5.5 days/2 crews	4 days/2 crews	0	
	Map of Specific Purpose Survey - Control & Route	16	24	0	60	0	0	100
	Map of Specific Purpose Survey - Drainage & Utilities	8	24	0	48	0	0	80
	<b>Sub-Surface Utility Engineering</b>							
	Records Research	0	0	24	0	0	1	25
	2 Dimensional Utility Locating	0	0	0	0	64	0	64
	QA/QC Plans	5	2	0	0	2	0	9
		29	50	24	108	66	1	278
		\$4,785	\$5,000	\$2,040	\$19,440	\$10,230	\$60	\$41,555

# Craig A Smith

## Program Work Plan - Person-Hour Estimate

CSO: #2  
Project Name: Miami Beach LRT/Modern Streetcar  
Task Name: Survey and Mapping  
Date Prepared: 6-Apr-16

Task Number	Task Name	Direct Labor (Person-Hours)						Total
		Senior PSM Surveyor	Support Analyst I	Support Analyst II	3-Man Surveying Crew	Utility Locating Crew	Secretary/Clerical	
	Rates	\$165	\$100	\$85	\$180	\$155	\$60	
<b>1.7 Meridian Ave.: 17th St to Dade Blvd</b>								
	<b>Survey</b>	To Be Provided by City						
	Map of Specific Purpose Survey - Control & Route							0
	Map of Specific Purpose Survey - Drainage & Utilities							0
	<b>Sub-Surface Utility Engineering</b>							
	Records Research							0
	2 Dimensional Utility Locating							0
	QA/QC Plans							0
		0	0	0	0	0	0	0
		\$0	\$0	\$0	\$0	\$0	\$0	\$0
<b>1.8 Dade Blvd: Meridian Ave to 23rd St</b>								
	<b>Survey</b>	Optional Roadway Corridor						
					6 days/2 crews	4 days/2 crews		
	Map of Specific Purpose Survey - Control & Route	16	24	0	65	0	0	105
	Map of Specific Purpose Survey - Drainage & Utilities	10	24	0	52	0	0	86
	<b>Sub-Surface Utility Engineering</b>							
	Records Research	0	0	24	0	0	1	25
	2 Dimensional Utility Locating	0	0	0	0	64	0	64
	QA/QC Plans	5	2	0	0	2	0	9
		31	50	24	117	66	1	289
		\$5,115	\$5,000	\$2,040	\$21,060	\$10,230	\$60	\$43,505
<b>1.9 23rd St: Dade Blvd to Collins Ave</b>								
	<b>Survey</b>	Optional Roadway Corridor						
					2 days/2 crews	1 day/2 crews		
	Map of Specific Purpose Survey - Control & Route	6	8	0	24	0	0	38
	Map of Specific Purpose Survey - Drainage & Utilities	4	8	0	19	0	0	31
	<b>Sub-Surface Utility Engineering</b>							
	Records Research	0	0	8	0	0	1	9
	2 Dimensional Utility Locating	0	0	0	0	16	0	16
	QA/QC Plans	1	1	0	0	1	0	3
		11	17	8	43	17	1	97
		\$1,815	\$1,700	\$680	\$7,740	\$2,635	\$60	\$14,630
<b>1.10 Conventiann Center Dr: 17th St to Dade Blvd.</b>								
	<b>Survey</b>	To Be Provided by City						
	Map of Specific Purpose Survey - Control & Route							0
	Map of Specific Purpose Survey - Drainage & Utilities							0
	<b>Sub-Surface Utility Engineering</b>							
	Records Research							0
	2 Dimensional Utility Locating							0
	QA/QC Plans							0
		0	0	0	0	0	0	0
		\$0	\$0	\$0	\$0	\$0	\$0	\$0

Total Base Corridor Labor (Tasks 1.1, 1.2, 1.4, 1.5, 1.6) \$279,320  
Misc. Base Expenses (4.5% of Labor) \$12,569  
Off-Duty Police Officers \$20,000

### Optional Corridors (fees below incl. 4.5% misc. expenses)

1.3 Alton Rd: 5th St to 17th St \$109,803  
1.8 Dade Blvd: Meridian Ave to 23rd St \$45,463  
1.9 23rd St: Dade Blvd to Collins Ave \$15,288